

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listings of Claims:

1. (Original) In an electric power steering apparatus constructed such that a rotational output of a drive source is, as an auxiliary steering torque, decelerated by a worm gear speed reducer and thus transmitted to a steering shaft so as to assist a steering force applied to a steering wheel, and travelling wheels are thereby steered,

a power steering apparatus for a vehicle, comprising:  
cooling means for cooling an interior of a gear chamber of said worm gear speed reducer.

2. (Original) A power steering apparatus for a vehicle according to claim 1, wherein said cooling means is constructed of a cooling fan attached to a worm of said worm gear speed reducer.

3. (Currently Amended) A power steering apparatus for a vehicle according to claim 1-~~or~~2, wherein housing of said

worm gear speed reducer is provided with a circulation path for circulating the air in said gear chamber.

4. (Currently Amended) A power steering apparatus for a vehicle according to claim 1~~or~~2, wherein said cooling means is constructed of heat radiation fins formed on an external surface of said housing of said worm gear speed reducer.

5. (Original) A power steering apparatus for a vehicle according to claim 3, wherein said cooling means is constructed of the heat radiation fins formed on the external surface of said housing of said worm gear speed reducer.

6. (New) A power steering apparatus for a vehicle according to claim 2, wherein housing of said worm gear speed reducer is provided with a circulation path for circulating the air in said gear chamber.

7. (New) A power steering apparatus for a vehicle according to claim 2, wherein said cooling means is constructed of heat radiation fins formed on an external surface of said housing of said worm gear speed reducer.

8. (New) A power steering apparatus for a vehicle according to claim 6, wherein said cooling means is constructed of the heat radiation fins formed on the external surface of said housing of said worm gear speed reducer.